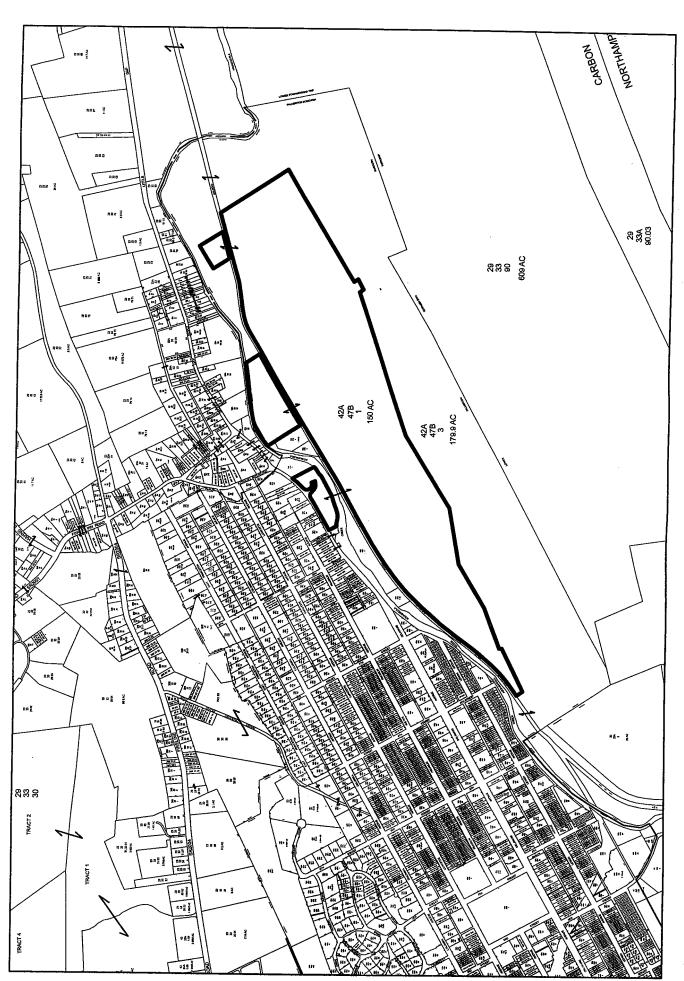




THIS MAP WAS PREPARED FOR THE ASSESSMENT OF REAL PROPERTY FOUND WITHIN THIS JURISDICTION. USERS OF THIS MAP ARE HEREBY NOTHELD THAT THE AFOREMENTIONED PUBLIC PRIMARY/INFORMATION SOURCES SHOULD BE CONSULTED FOR VERHICATION OF THE INFORMATION COVITAINED ON THIS MAP. THE COUNTY AND THE MAPPING COMPANIES ASSUME NO LEGAL RESPONSIBILITY FOR THE INFORMATION CONTAINED ON THIS MAP.







THIS MAP WAS PREPARED FOR THE ASSESSMENT OF REAL PROPERTY FOUND WITHIN THE JURISDICTON. USERS OF THIS MAP ARE HEREBY NOTIFIED THAT THE AFOREMENTIONED PUBLIC PRIMARY INFORMATION SOURCES SHOULD BE CONSULTED FOR VERTICATION OF THE INFORMATION CONTAINED ON THIS MAP. THE COUNTY AND THE MAPPING COMPANIES ASSUME NO LEGAL RESPONSIBILITY FOR THE INFORMATION CONTAINED ON THIS MAP.





Richard S. Cowan, PE, Ret.

James R. Leister, PE William D. Kee, PE Johann F. Szautner, PE Marshall A. Phillips, RS C. Robert Wynn, PE

Legal Description
For
New Jersey Zinc East Plant
Tract #1
CAI 53193
July 6, 1982

ALL THAT CERTAIN tract or parcel of land situate in the Borough of Palmerton, County of Carbon, and Commonwealth of Pennsylvania, bounded and described as follows, to wit:

BEGINNING at a post in an 8 foot high chain-link fence, said post being the northern corner of the westernmost gate to the East Plant as marked P.O.B. on Plan of the East Plant (New Jersey Zinc) prepared by Cowan Associates, Inc., dated July 1982.

THENCE (A) along the aforementioned 8 foot high chain-link fence the following 19 courses;

- 1. N 83<sup>0</sup> 00' 54" E, 261.55 feet to a post;
- 2. N 780 11' 28" E, 169.87 feet to a post;
- 3. N 71<sup>0</sup> 36' 01" E, 112.31 feet to a post;
- 4. N 68° 55' 27" E, 655.57 feet to a post;
- 5. N  $70^{\circ}$  59' 16" E, 150.85 feet to a post;
- 6. N 75° 02' 34" E, 309.83 feet to a post;
- 7. N 78° 25' 53" E, 192.28 feet to a post;
- 8. S 31<sup>0</sup> 53' 57" E, 21.90 feet to a post;
- 9. N 72° 53' 22" E, 63.59 feet to a post;
- 10. N 83<sup>0</sup> 44' 57" E, 163.28 feet to a post;
- 11. N 86° 33' 13" E. 157.94 feet to a post;
- 12. N 89° 05' 59" E, 114.76 feet to a post;
- 13. S 87° 52' 21" E, 1043.72 feet to a post;
- 14. S 89° 38' 51" E, 1831.23 feet to a post;

July 6, 1982

- 15. S 81° 28' 26" E, 30.12 feet to a post;
- 16. S 70° 55' 22" E, 73.96 feet to a post;
- 17. S 63° 41' 58" E, 275.88 feet to a post;
- 18. S 69° 12' 47" E, 100.09 feet to a post; and
- 19. S 73° 07' 31" E. 1260.06 feet to a post;

THENCE (B) along a gate over a railroad track, S 09° 16' 50" W, 16.60 feet to a point;

THENCE (C) along a row of post holes (where the old fence was removed) the following 9 courses;

- 1. S 79° 33' 12" E. 149.56 feet to a point;
- 2. \$ 45° 29' 49" E, 124.06 feet to a point;
- 3. \$ 34° 25' 17" W, 521.44 feet to a point;
- 4. S 55° 25' 57" W, 225.22 feet to a point;
- 5. S 84<sup>0</sup> 05' 57" W, 150.82 feet to a point;
- 6. S 42° 53' 00" W, 204.21 feet to a point;
- 7. N 89<sup>0</sup> 53' 47" W, 1164.53 feet to a point;
- 8. N 76° 40' 26" W, 2041.50 feet to a point; and
- 9. N 89° 37' 31" W, 966.50 feet to a point;

THENCE (D) along same and an 8 foot high board fence, N  $67^{\circ}$  49' 40" W, (at 125.0' passing through the beginning of said fence) 617.90 feet to a post;

THENCE (E) along said 8 foot high board fence, N  $88^{\rm O}$  47' 07" W, 542.62 feet to a post;

THENCE (F) along same, N 79° 33' 38" W, 504.14 feet to a post;

THENCE (G) along an opening in said fence, S 12° 51' 22" W, 25.54 feet to a post;

THENCE (H) along aforementioned fence, N  $84^{\circ}$  10'  $47^{\circ}$  W, 535.65 feet to a post;

THENCE (I) along a gate opening in said fence, N  $00^{\circ}$  35' 31" E, 76.63 feet to the place of beginning.

Containing 141.902 acres more or less.

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Thu May 14 13:40:01 2009

EAST PLANT TRACT # 1 Parcel name: 2 UNROLATED IN ACCORDANCE East: 1985.4446 North: -1357.4487 with Deep BEARINGS Length: 261.55 Course: N 83-00-54 E East: 2245.0534 North: -1325.6418 Length: 169.87 Course: N 78-11-28 E Line East: 2411.3282 North: -1290.8782 Length: 112.31 Course: N 71-36-01 E Line North: -1255.4282 East : 2517.8966 Length: 655.57 Course: N 68-55-27 E Line East: 3129.6125 North: -1019.6831 and take Length: 150.85 Course: N 70-59-16 E Line East: 3272.2335 North: -970.5407 Length: 309.83 Course: N 75-02-34 E Line North: -890.5743 East: 3571.5660 Length: 192.28 Course: N 78-25-53 E Line East: 3759.9399 North: -852.0142 Course: S 31-53-57 E Length: 21.90 Line East: 3771.5125 North: -870.6069 Course: N 72-53-22 E Length: 63.59 Line East: 3832.2879 North: -851.8976 Length: 163.28 Course: N 83-44-57 E Line East: 3994.5972 North: -834.1195 Course: N 86-33-13 E Length: 157.94 Line East: 4152.2515 North: -824.6250 Length: 114.76 Course: N 89-05-59 E Line East: 4266.9973 North: -822.8219 Course: S 87-52-21 E Length: 1043.72 Line North: -861.5683 East: 5309.9979 Length: 1831.23 Course: S 89-38-51 E Line East: 7141.1932 North: -872.8344 Course: S 81-28-26 E Length: 30.12 Line East: 7170.9804 North: -877.3000 Course: S 70-55-22 E Length: 73.96 Line North: -901.4733 East: 7240.8784 Course: S 63-41-58 E Length: 275.88 Line North: -1023.7102 East: 7488.1999 Course: S 69-12-47 E Length: 100.09 Line East: 7581.7747 North: -1059.2315 Course: S 73-07-31 E Length: 1260.06 Line

Project: HRD-Cowen Assoc East and West Plants Thu May 14 13:40:01 2009 Parcel Map Check North: -1425.0018 East: 8787.5787 Line Course: S 09-16-50 W Length: 16.60 North: -1441.3845 East: 8784.9016 Line Course: S 79-33-12 E Length: 149.56 North: -1468.5027 East: 8931.9826 Line Course: S 45-29-49 E Length: 124.06 North: -1555.4622 East: 9020.4638 Line Course: S 34-25-17 W Length: 521.44 North: -1985.5994 East: 8725.7068 Line Course: S 55-25-57 W Length: 225.22 North: -2113.3840 East: 8540.2475 Line Course: S 84-05-57 W Length: 150.82 North: -2128.8894 East: 8390.2266 Line Course: S 42-53-00 W Length: 204.21 North: -2278.5224 East: 8251.2602 Line Course: S 89-53-47 W Length: 1164.53 North: -2280.6283 East: 7086.7321 Line Course: N 76-40-26 W Length: 2041.50 North: -1810.0764 East: 5100.2016 Line Course: N 89-37-31 W Length: 966.50 North: -1803.7554 East: 4133.7223 Line Course: N 67-49-40 W Length: 617.90 North: -1570.5649 East: 3561.5137 Line Course: N 88-47-07 W Length: 542.62 North: -1559.0618 East: 3019.0157 Line Course: N 79-33-38 W Length: 504.14 North: -1467.7135 East: 2523.2207 Line Course: S 12-51-22 W Length: 25.54 North: -1492.6132 East: 2517.5380 Line Course: N 84-10-47 W Length: 535.65 North: -1438.2938 East: 1984.6493 Course: N 00-35-31 E Line Length: 76.63 North: -1361.6679 East: 1985.4410 Line Course: N 00-02-55 E Length: 4.22 ERAON COUNTER North: -1357.4479 East: 1985.4446

Perimeter: 14859.93 Area: 6,205,199.727 sq. ft. 142.452 acres

Mapcheck Closure - (Uses listed courses, radii, and deltas)

Error Closure: 0.0008 Course: N 00-02-08 E

Error North: 0.00081 East : 0.00000

Precision 1: 18,574,912.50



### page 1

## EAST PLANT TRACT # 1 Rotates & Translates to DA STATE Plane Coordinates

Project: HRD-Cowen Assoc East and West Plants-Parcel Map Check Wed May 27 12:23:55 2009

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#### Parcel name: 1

North: 542504.5033		East : 2563360.1641		
Line	Course: N 51-25-51 E	Length:		
	North: 542667.5690			2563564.6586
Line	Course: N 46-36-25 E	Length:		
	North: 542784.2696			2563688.0959
Line	Course: N 40-00-58 E	Length:		
	North: 542870.2838		East :	2563760.3116
Line	Course: N 37-20-24 E	Length:		
	North: 543391.4948			2564157.9434
Line	Course: N 39-24-13 E	Length:		
	North: 543508.0557		East :	2564253.6998
Line	Course: N 43-27-31 E	Length:		
T 2	North: 543732.9524	<del>-</del> . 1	East:	2564466.8103
Line	Course: N 46-50-50 E	Length:		0564605 0040
Line	North: 543864.4616	T 1-	East:	2564607.0849
ттпе	Course: S 63-29-00 E	Length:		0564606 6044
Line	North: 543854.6841 Course: N 41-18-19 E	T a h		2564626.6811
птие	North: 543902.4532	Length:		2564660 6550
Line	Course: N 52-09-54 E	Length:	East : 163.28	2564668.6550
птис	North: 544002.6074	Length:		2564707 6102
Line	Course: N 54-58-10 E	Length:		2564797.6103
птис	North: 544093.2671	nengun:	East:	2564926.9389
Line	Course: N 57-30-56 E	Length:		2504920.9309
11110	North: 544154.9013	nengen.	East:	2565023.7432
Line	Course: N 60-32-36 E	Length:		2505025.7452
D±110	North: 544668.1664	Bengen.	East :	2565932.5393
Line	Course: N 58-46-06 E	Length.	1831.23	2505752.5595
	North: 545617.6586	Lengen.	East :	2567498.3835
Line	Course: N 66-56-31 E	Length:		2507450.5055
	North: 545629.4555	zongen.		2567526.0971
Line	Course: N 77-29-35 E	Length:		2307320.0371
<del>_</del>	North: 545645.4721			2567598.3020
Line	Course: N 84-42-59 E	Length:		2307330.3020
	North: 545670.8767			2567873.0099
Line	Course: N 79-12-10 E	Length:		
	North: 545689.6270			2567971.3279
Line	Course: N 75-17-26 E	Length:	1260.06	
	= <del>-</del>	J <b>'</b>		

Project: HRD-Cowen Assoc East and West Plants Wed May 27 12:23:55 2009 Parcel Map Check East: 2569190.0906 North: 546009.5781 Line Course: S 22-18-13 E Length: 16.60 North: 545994.2200 East: 2569196.3905 Line Course: N 68-51-45 E Length: 149.56 North: 546048.1525 East: 2569335.8878 Line Course: S 77-04-52 E Length: 124.06 North: 546020.4162 East: 2569456.8075 Line Course: S 02-50-14 W Length: 521.44 North: 545499.6154 East: 2569430.9969 Line Course: S 23-50-54 W Length: 225.22 North: 545293.6249 East: 2569339.9367 Line Course: S 52-30-54 W Length: 150.82 North: 545201.8428 East: 2569220.2591 Line Course: S 11-17-57 W Length: 204.21 North: 545001.5909 East: 2569180.2478 Line Course: S 58-18-44 W Length: 1164.53 North: 544389.8748 East: 2568189.3223 Line Course: S 71-44-31 W Length: 2041.50 North: 543750.2783 East: 2566250.6014 Line Course: S 58-47-26 W Length: 966.50 North: 543249.4689 East: 2565423.9744 Line Course: S 80-35-17 W Length: 617.90 North: 543148.4227 East: 2564814.3925 Line Course: S 59-37-50 W Length: 542.62 North: 542874.0883 East: 2564346.2290 Line Course: S 68-51-19 W Length: 504.14 North: 542692.2325 East: 2563876.0316 Line Course: S 18-43-41 E Length: 25.54 North: 542668.0447 East: 2563884.2319 Line Course: S 64-14-10 W Length: 535.65 North: 542435.2172 East: 2563401.8293 Line Course: N 30-59-32 W Length: 76.63 North: 542500.9073 East: 2563362.3708 Line Course: N 31-32-08 W Length: 4.22 EARUN COURSE North: 542504.5040 East: 2563360.1637

Perimeter: 14859.93 Area: 6,205,199.727 sq. ft. 142.452 acres

Mapcheck Closure - (Uses listed courses, radii, and deltas)

Precision 1: 18,574,912.50

CHECKED MAY 2 7 2003



Richard S. Cowan, PE, Ret.

James R. Loister, PE William D. Kee, PE Johann F. Szautner, PE Marshall A. Phillips, RS C. Robert Wynn, PE

Legal Description
For
New Jersey Zinc East Plant
Tract #2
CAI 53193
July 8, 1982:

ALL THAT CERTAIN tract or parcel of land situate in the Borough of Palmerton, County of Carbon and Commonwealth of Pennsylvania, bounded and described as follows, to wit:

BEGINNING at a post at the end of an 8 foot high chain-link fence and also along the top of the south bank of the Aquashicola Creek as shown on a plan of the East Plant of New Jersey Zinc property prepared by Cowan Associates, Inc., dated July 1982.

THENCE (A) along the southern bank of said Aquashicola Creek the following 8 courses;

- 1. S 86° 01' 11" E, 119.23 feet to a point;
- 2. S 790 421 4211 E, 143.70 feet to a point;
- 3. \$ 70° 53' 49" E, 127.19 feet to a point;
- 4. S 65° 37' 53" E, 220.31 feet to a point;
- 5. \$ 39° 00' 38" E, 36.55 feet to a point;
- 6. \$ 68° 13' 25" E, 43,26 feet to a point;
- 7. S 77° 07' 29" E, 82.21 feet to a point; and
  - 8. S 66° 49' 36" E, 203.67 feet to an old fence post base;

THENCE (B) along said old fence line (no longer standing) \$  $00^{\circ}$  05' 24" W, 114.64 feet to a post;

THENCE (C) along same, S 18° 30' 59" W, 16.37 feet to a post;

THENCE (D) along a row of old fence posts, N 89° 41' 26" W, 897.44 feet to a post;

THENCE (E) along same, N 65° 02' 54" W, 3.91 feet to a post;

Legal Description New Jersey Zinc East Plant, Tract #2 CAI 53193

July 8, 1982

THENCE (F) across an opening in an 8 foot high chain-link fence, N  $05^{\rm o}$  37' 32" W, 62.32 feet to a post;

-2-

THENCE (G) along said 8 foot high chain-link fence, N  $00^{\rm O}$  06' 31" E, 371.03 feet to the place of beginning.

Containing 6.5139 acres more or less.

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## EAST PLANT TRACT #2 UN-ROTATED IN ACCORDANCE WITH DEED BEARINGS

Project: HRD-Cowen Assoc East and West Plants
Parcel Map Check

Thu May 14 14:02:25 2009

Parcel name: 3

East: 8607.7784 North: -559.0297 Length: 119.23 Course: S 86-01-11 E Line East: 8726.7208 North: -567.3058 Length: 143.70 Course: S 79-42-42 E Line East: 8868.1103 North: -592.9709 Length: 127.19 Course: S 70-53-49 E Line East: 8988.2961 North: -634.5962 Length: 220.31 Course: S 65-37-53 E Line East: 9188.9787 North: -725.4973 Course: S 39-00-38 E Length: 36.55 Line East: 9211.9856 North: -753.8977 Length: 43.26 Course: S 68-13-25 E Line East: 9252.1585 North: -769.9465 Length: 82.21 Course: S 77-07-29 E Line North: -788.2653 East: 9332.3015 Course: S 66-49-36 E Length: 203.67 Line East: 9519.5391 North: -868.4124 Length: 114.64 Course: S 00-05-24 W Line North: -983.0522 East: 9519.3590 Course: S 18-30-59 W Length: 16.37 Line North: -998.5748 East: 9514.1603 Length: 897.44 Line Course: N 89-41-26 W North: -993.7279 East: 8616.7334 Length: 3.91 Line Course: N 65-02-54 W North: -992.0784 East: 8613.1884 Line Course: N 05-37-32 W Length: 62.32 East: 8607.0793 North: -930.0586 Course: N 00-06-31 E Length: 371.03 Line North: -559.0293 East: 8607.7827 Line Course: S 84-18-10 W Length: 0.00 North: -559.0293 East: 8607.7827

Perimeter: 2441.83 Area: 283,746.042 sq. ft. 6.514 acres

Mapcheck Closure - (Uses listed courses, radii, and deltas)

Error Closure: 0.0043 Course: N 84-18-10 E

Error North: 0.00043 East: 0.00430

Precision 1: 567,867.44

# EAST PLANT TRACT #2 Rotates & TRANSLATED to PA STATE PLANE COORDINATES page 1

East: 2567140.5702

East : 0.00344

Project: HRD-Cowen Assoc East and West Plants Parcel Map Check

Tue May 26 18:07:08 2009

Parce:	l name: 2	
No	rth: 545339.7498	East : 2566138.3324
Line	그들이 보다 하는 사람이 많은 사람들이 되었다. 생각이 되는 사람들이 되었다. 내고 있는 사람들이 모든 것이다.	Length: 119.23
	North: 545395.0956	East : 2566243.9384
Line	Course: N 68-39-00 E	Length: 143.70
	North: 545447.4117	East : 2566377.7768
Line	Course: N 77-27-53 E	Length: 127.19
	North: 545475.0171	East : 2566501.9349
Line	Course: N 82-43-49 E	Length: 220.31
	North: 545502.8952	East : 2566720.4740
Line	Course: S 70-38-56 E	Length: 36.55
	North: 545490.7841	East : 2566754.9591
Line	Course: N 80-08-17 E	Length: 43.26
	North: 545498.1935	East : 2566797.5799
Line	Course: N 71-14-13 E	Length: 82.21
	North: 545524.6367	East : 2566875.4210
Line	Course: N 81-32-06 E	Length: 203.67
	North: 545554.6180	East : 2567076.8722
Line	Course: S 31-32-54 E	Length: 114.64
	North: 545456.9219	East : 2567136.8538

East: 2566373.9799 North: 544974.3555 Line Course: S 83-18-48 W Length: 3.91

Line Course: S 13-07-19 E Length: 16.37

North: 545440.9794

Line Course: S 58-40-16 W

East: 2566370.0965 North: 544973.9003 Length: 62.32

Line Course: N 37-15-50 W

East: 2566332.3625 North: 545023.4980

Length: 897.44

Length: 371.03 Line Course: N 31-31-47 W

North: 545339.7524 East: 2566138.3358

Line Course: S 52-39-53 W Length: 0.00

North: 545339.7524 East: 2566138.3358

Perimeter: 2441.83 Area: 283,746.042 sq. ft. 6.514 acres

Mapcheck Closure - (Uses listed courses, radii, and deltas) Course: N 52-39-52 E

Error Closure: 0.0043 Error North: 0.00262

Precision 1: 567,867.44



Richard S. Cowan, PE, Ret.

James R. Leister, PE William D. Koe, PE Johann F. Szautner, PE Marshall A. Phillips, RS C. Robert Wynn, PE

Legal Description
For
New Jersey Zinc East Plant
Tract #3
CAI 53193
July 8, 1982

ALL THAT CERTAIN tract or parcel of land situate in the Borough of Palmerton, County of Carbon, and Commonwealth of Pennsylvania, bounded and described as follows, to wit:

BEGINNING at the southwestern corner of an 8 foot high metal fence, said corner marked P.O.B. on a plan of the East Plant of New Jersey Zinc prepared by Cowan Associates, Inc., dated July 1982.

THENCE (1) along said 8 foot high metal fence, N  $01^{\circ}$  33' 52" W, 210.84 feet to a point;

THENCE (2) along same, N  $48^{\circ}$  47' 17" E, 18.18 feet to a point;

THENCE (3) along same, S 89° 40' 49" E, 286.90 feet to a point;

THENCE (4) along same, \$ 01° 02' 59" W, 314.01 feet to a point;

THENCE (5) along same, N  $72^{\circ}$  11' 53" W, 303.60 feet to the point of beginning.

Containing 1.8154 acres more or less.

# EAST PLANT Tract #3 UN-Rotates IN Accordance with Deed Bearings page 1

Project: HRD-Cowen Assoc East and West Plants
Parcel Map Check

Thu May 14 14:36:08 2009

Parcel name: 4

Line

North: -457.7320 East: 7748.8019

Course: N 01-33-52 W Length: 210.84

North: -246.9706 East: 7743.0457

Line Course: N 48-47-17 E Length: 18.18

North: -234.9928 East: 7756.7221

Line Course: S 89-40-49 E Length: 286.90

North: -236.5937 East: 8043.6176

Line Course: S 01-02-59 W Length: 314:01

North: -550.5511 East: 8037.8650

Line Course: N 72-11-53 W Length: 303.60

North: -457.7321 East: 7748.8016

Line Course: N 68-47-18 E Length: 0.00

North: -457.7321 East: 7748.8016

Perimeter: 1133.53 Area: 79,077.224 sq. ft. 1.815 acres

Mapcheck Closure - (Uses listed courses, radii, and deltas)

Error Closure: 0.0003 Course: S 68-47-18 W

Error North: -0.00011 East: -0.00029

Precision 1: 3,778,433.33



EAST DLANT TRACT # 3
ROTATED & TRANSLATED TO PA STATE PLANE CORRENATED page 1
Plottings to prove out legal descriptions for EPA / Dept. of Justice, Attorney P

Project: HRD-Cowen Assoc East and West Plants Parcel Map Check

Tue May 26 17:54:34 2009

Parcel name: 3

North: 545787.0663 East: 2568210.5238

Course: N 34-11-09 W Length: 210.84

North: 545961.4773 East: 2568092.0573

Line Course: N 16-10-00 E Length: 18.18

> North: 545978.9384 East: 2568097.1192

Course: N 57-41-54 E Line Length: 286.90

> North: 546132.2511 East: 2568339.6203

Course: S 31-34-18 E Line Length: 314.01

> North: 545864.7190 East: 2568504.0249

Line Course: S 75-10-50 W Length: 303.60

> North: 545787.0661 East: 2568210.5236

Line Course: N 36-10-01 E Length: 0.00

> North: 545787.0661 East: 2568210.5236

Perimeter: 1133.53 Area: 79,077.224 sq. ft. 1.815 acres

Mapcheck Closure - (Uses listed courses, radii, and deltas)

Error Closure: 0.0003 Course: S 36-10-01 W

Error North: -0.00025 East : -0.00019

Precision 1: 3,778,433.33



CHECKED MAY 2 7 2003